SUMMARY DATA FOR CASE 7A

This section contains the following economic data for case 7A:

- Capital Investment and Revenue Requirement Summary
- Total Plant Cost

CAPITAL INVESTMEN	T & NEVELOUS NEGOINER	IEIVI OOMMARKI		
TITLE/DEFINITION	.			
Case:	Super-Critical PC w/ CO ₂		44.040	/FX (1.1.1.1)
Plant Size:	329.3 (MW,net)	HeatRate:		(Btu/kWh)
Primary/Secondary Fuel(type):	Illnois #6	Cost:		(\$/MMBtu)
Design/Construction: TPC(Plant Cost) Year:	4 (years) 1999 (Dec.)	BookLife: TPI Year:	2000	(years)
Capacity Factor:	65 (%)	CO ₂ Removed		
- Japany Tables	00 (70)	0021101110100	2,022,07 7	(toriory car)
CAPITAL INVESTMENT		\$x1000		\$/kW
Process Capital & Facilities		530,434		1610.8
Engineering(incl.C.M.,H.O.& Fee)		31,826		96.6
Process Contingency		6,022		18.3
Project Contingency		84,136		255.5
TOTAL PLANT COST(TPC)		\$652,417		1981.3
TOTAL CASH EXPENDED	\$652,41			7007.0
AFDC	\$52,92			
TOTAL PLANT INVESTMENT(TPI)	***	\$705,346		2142.0
Royalty Allowance				
Preproduction Costs		18,379		55.8
Inventory Capital		6,316		19.2
Initial Catalyst & Chemicals(w/equip.)		- 4 4		
Land Cost		544	-	1.7
TOTAL CAPITAL REQUIREMENT(TCF	₹)	\$730,585		2218.6
OPERATING & MAINTENANCE COSTS (1999	Dollars)	\$x1000		\$/kW-yr
Operating Labor		5,272		16.0
Maintenance Labor		3,490		10.6
Maintenance Material		5,235		15.9
Administrative & Support Labor		2,191		6.7
TOTAL OPERATION & MAINTENANCE	E	\$16,187		49.2
FIXED O & M			33.26	\$/kW-yr
VARIABLE O & M			0.28	¢/kWh
CONSUMABLE OPERATING COSTS, less Fue	(1999 Dollars)	\$x1000		¢/kWh
Water		300		0.02
Chemicals		10,247		0.55
Other Consumables		2,073		0.11
Waste Disposal		3,315	-	0.18
TOTAL CONSUMABLE OPERATING O	COSTS	\$15,936		0.85
BY-PRODUCT CREDITS (1999 Dollars)				
FUEL COST (1999 Dollars)		\$27,472		1.47
	Leveliz	ed (Over Book L	ife \$)	
PRODUCTION COST SUMMARY	\$/ton CO		¢/kWh	
Fixed O & M	\$2.1	,	0.58	
Variable O & M	\$1.20		0.28	
Consumables	\$3.3	2	0.85	
By-product Credit	20.00	•	4 47	
Fuel TOTAL PRODUCTION COST	\$3.96 \$10.5		1.47 3.18	
	Ψ10.5.	-	5.10	
	604.0	2 200 04114	E 20	
LEVELIZED CARRYING CHARGES(Capital)	\$21.00	306.2/kW-yr	5.38	

ESTIMATE BASIS/FINANCIAL CRITE	RIA for REVENUE REQUIREMENT CALCULATIONS
GENERAL DATA/CHARACTERISTICS	
Case Title:	Super-Critical PC w/ CO ₂
Unit Size:/Plant Size:	329.3 MW,net 329.3 MWe
Location:	East-West Region
Fuel: Primary/Secondary	Illnois #6
Energy From Primary/Secondary Fuels	11,816 Btu/kWh Btu/kWh
Levelized Capacity Factor / Preproduction(equival	ent months) 65 % 1 months
Capital Cost Year Dollars (Reference Year Dollars	s): 1999 (December)
Delivered Cost of Primary/Secondary Fuel	1.24 \$/MBtu \$/MBtu
Design/Construction Period:	4 years
Plant Startup Date (1st. Year Dollars):	2000 (January)
Land Area/Unit Cost	340 acre \$1,600 /acre
FINANCIAL CRITERIA	
Project Book Life:	20 years
Book Salvage Value:	%
Project Tax Life:	20 years
Tax Depreciation Method:	Accel. based on ACRS Class
Property Tax Rate:	1.0 % per year
Insurance Tax Rate:	1.0 % per year
Federal Income Tax Rate:	34.0 %
State Income Tax Rate:	4.2 %
Investment Tax Credit/% Eligible	%
Economic Basis:	Over Book Lif Constant Dollars
Capital Structure Common Equity Preferred Stock Debt Weighted Cost of Capital:(after tax)	% of Total Cost(%) 45 12.00 10 8.50 45 9.00 8.76 %
	Over Book Life 1999 to 2000 General % per year % per year 'rimary Fuel % per year % per year ondary Fuel % per year % per year

Case Conceptual	Super-Critical F	Estimate Type: Conceptual	HMAKI	Joseph			
Equipment Material Directost Cost Cost Directost Cost Cost Directost Cost Cost Cost Cost Cost 15,344 7,384 29,3043 30,432 30,432 21,584 42,57 21,588 8996 805 7,5996			louido.		4000	(00 to 6)	
Cost Cost Cost Cost Cost Cost Cost Cost			chinai		cost pase (pec) 1333	(ann ve)	
7,337 2,218 9,199 15,344 73,384 2 76,423 3,043 76,423 36,577 2 66,457 N/A N/A N/A N/A 8,996 805 8,996 805 12,598 5,170 5,981 6,138 85 11,924 4,462 11,924 11,924 1,216	Equipment Material	Labor Sales Direct Indirect Tax	s Bare Erected Cost \$	Eng'g CM H.O.& Fee	Contingencies Process Project	TOTAL PLANT COST	COST \$//kW
9,199 15,344 73,384 2 3,043 76,423 36,577 66,457 66,457 N/A N/A 8,996 805 8,996 805 8,996 805 12,598 5,19 11,924 4,462 11,924 4,462 11,924 6,133 2,063 1,216	7,337	5,858 410	\$15,822	949	3,354	\$20,126	61
15,344 2 3,043 3,043 3,043 N/A 8,996 805 8,996 805 8,996 805 12,598 5,170 5,170 5,981 6,133 1,216		3,000 210	\$12,409	745	2,631	\$15,784	48
73,384 3,043 76,428 36,577 66,457 66,457 66,457 73,886 805 8,996 805 8,996 805 8,996 819 47,669 5,170 5,981 6,183 2,063 1,216		7,212 505	\$23,061	1,384	5,409	\$29,854	91
3,043 36,577 66,457 N/A 8,996 805 8,996 805 8,996 805 12,598 5,170 5,170 5,170 5,189 6,133 1,216	73,384	9,348 2,054	\$104,787	6,287	11,107	\$122,182	371
36,577 66,457 NIA NIA 8,996 805 8,996 805 35,070 12,598 5,170 5,181 5,170 5,981 6,133 2,063 1,216	3,043	1,050 73 10,398 2,128	\$4,167	250 6,537	442	\$4,859 \$127,040	15 386
N/A N/A N/A N/A 8,996 805 805 805 805 805 805 805 805 805 805		1,339 1,494	\$59,410	3,565	6,297	\$69,272	210
N/A 8,996 805 805 805 805 805 805 805 805 805 805	66,457	2,347 2,964	\$111,769	902'9	6,022 18,674	\$143,171	435
N/A 8,996 805 8,996 805 35,070 12,598 5,170 5,170 6,288 85 11,924 4,462 11,924 6,133 1,216	SSORIE N/A						
35,070 12,598 519 47,669 519 5,170 5,981 11,924 4,462 1 6,133 1,216	N/A 8,996 805 8,996 805	7,675 537 7,675 537	\$18,014	1,081	3,159 3,159	\$22,253 \$22,253	68 68
ASH/SPENT SORBENT HANDLING SYS 6,288 85 1 ACCESSORY ELECTRIC PLANT 11,924 4,462 1 INSTRUMENTATION & CONTROL 6,133 IMPROVEMENTS TO SITE 2,063 1,216	35,070 12,598 519 47,669 519	5,053 424 7,085 496 3,138 920	\$41,546 \$20,698 \$62,245	2,493 1,242 3,735	4,404 3,848 8,252	\$48,443 \$25,788 \$74,231	147 78 225
ASH/SPENT SORBENT HANDLING SYS 6,288 85 1 ACCESSORY ELECTRIC PLANT 11,924 4,462 1 INSTRUMENTATION & CONTROL 6,133 IMPROVEMENTS TO SITE 2,063 1,216	5,170 5,981	5,590 391	\$17,133	1,028	3,513	\$21,674	99
ACCESSORY ELECTRIC PLANT 11,924 4,462 1 INSTRUMENTATION & CONTROL 6,133 E,133 I,216	6,288 85	2,037 843	\$19,252	1,155	3,094	\$23,502	71
INSTRUMENTATION & CONTROL 6,133 IMPROVEMENTS TO SITE 2,063 1,216	11,924 4,462	876 776,8	\$31,341	1,880	5,396	\$38,618	117
IMPROVEMENTS TO SITE 2,063 1,216	6,133	2,566 180	\$8,879	533	1,191	\$10,602	32
	2,063 1,216	1,834 338	\$8,450	202	2,687	\$11,644	35
14 BUILDINGS & STRUCTURES 15,126 17,354	15,126	7,354 1,215	\$33,695	2,022	8,929	\$44,646	136
TOTAL COST \$299,584 \$30,412 \$187,325 \$	\$299,584 \$30,412	7,325 \$13,113	\$530,434	\$31,826	\$6,022 \$84,136	\$652,417	1981